

5 CLAIMS

1. A method of presenting information regarding a video comprising a plurality of frames comprising:
  - (a) identifying a plurality of segments of said video based upon an event, wherein said event is characterized by a play, where each of said segments includes a plurality of frames of said video; and
  - (b) displaying a graphical user interface including temporal information regarding the relative location of said plurality of segments within said video.
- 15 2. The method of claim 1 wherein said play is of a sport.
- 20 3. The method of claim 1 wherein said graphical user interface includes a generally rectangular region where each of said plurality of segments is indicated within said generally rectangular region.
- 25 4. The method of claim 1 wherein the size of each of said plurality of segments is indicated in a manner such that said plurality of segments with a greater number of frames are larger than said plurality of segments with a lesser number of frames.
- 30 5. The method of claim 4 wherein the size of the regions between each of said plurality of segments is indicated in a manner such that said regions between with a greater number of frames are larger than said plurality of segments with a lesser number of frames.

5        6. The method of claim 1 further comprising an indicator that indicates the  
current position within said temporal information of a currently displayed  
portion of said video.

10      7. The method of claim 6 wherein said indicator changes location relative to  
said temporal information as the portion of said currently displayed portion  
of said video changes.

15      8. The method of claim 1 further comprising said displaying said temporal  
information for a first type of content of said video using a first visual  
indication and displaying said temporal information for second type of  
content of said video using a second visual indication different from said  
first visual indication.

20      9. The method of claim 1 further comprising  
      (a) indicating with an indicator the current position within said temporal  
            information of a currently displayed portion of said video; and  
      (b) modifying the position of said indicator within said temporal  
            information which modifies the displayed portion of said video.

25      10. The method of claim 9 wherein said indicator is modified to a portion of  
said video that is not included within said plurality of segments.

30      11. The method of claim 8 wherein said first type of content and said second  
type of content are selectable by a user for presentation to said user.

12. The method of claim 1 wherein at least two of said plurality of segments are  
temporally overlapping.

5           13. The method of claim 12 wherein said temporally overlapping segments are visually indicated in a manner such that each of said overlapping segments are independently identifiable.

10           14. The method of claim 1 wherein a user selects a portion of said video not included within said plurality of segments, wherein in response thereto, said system presents one of said plurality of segments.

15           15. The method of claim 14 wherein said one of said plurality of segments is the segment most temporally adjacent to said portion of said video.

20           16. The method of claim 14 wherein said one of said plurality of segments is the next temporally related segment.

25           17. The method of claim 14 wherein said one of said plurality of segments is the previous temporally related segment.

30           18. The method of claim 1 wherein a user selects a portion of said video included within said plurality of segments, wherein in response thereto, said system presents said portion of said video from the start thereof.

19. The method of claim 1 wherein a user selects a portion of said video not included within said plurality of segments, wherein in response thereto, said system presents one of said plurality of segments, and wherein said user selects a portion of said video included within said plurality of segments, wherein in response thereto, said system presents said portion of said video within said plurality of segments.

5           20. The method of claim 1 wherein a user selects a portion of said video not included within said plurality of segments, wherein in response thereto, said system presents one of said plurality of segments, and wherein said user selects a portion of said video included within said plurality of segments, wherein in response thereto, said system presents said portion of said video within said plurality of segments starting from the beginning thereof.

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15           21. The method of claim 1 wherein a user selects a portion of said video not included within said plurality of segments, wherein in response thereto, said system presents said selected portion not included within said plurality of segments, and wherein after presenting said selected portion not included within said plurality of segments presents said selected plurality of segments in temporal order without portions of said video not included within said plurality of segments, and wherein said user selects a portion of said video included within said plurality of segments, wherein in response thereto, said system presents said portion of said video within said plurality of segments.

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25           22. The method of claim 1 wherein said temporal information is hierarchical and is displayed in such a manner to retain a portion of its hierarchical structure.

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30           23. The method of claim 1 wherein said temporal information relates to overlapping time periods and said temporal information is displayed in such a manner to maintain the differentiation of said overlapping time periods.

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24. The method of claim 1 wherein said temporal information is displayed within a time line, wherein the temporal information is presented in a plurality of layers in a direction perpendicular to the length of said time line.

5            25. The method of claim 1 wherein said temporal information is displayed within a time line, wherein textual information is included within said time line.

10            26. The method of claim 1 wherein said temporal information is displayed within a time line, wherein additional textual information is displayed upon selecting a portion of said time line.

15            27. The method of claim 1 wherein said temporal information is displayed together with a time line, wherein additional textual information is displayed together with selecting a portion of said time line.

20            28. The method of claim 1 wherein said temporal information is displayed within a time line, wherein additional audio annotation is presented upon presenting a portion of said time line.

25            29. A method of presenting information regarding a video comprising a plurality of frames comprising:  
                  (a) identifying a plurality of different segments of said video, where each of said segments includes a plurality of frames of said video; and  
                  (b) displaying a graphical user interface including temporal information regarding the relative location of said plurality of segments within said video.

30            30. The method of claim 29 wherein said graphical user interface includes a generally rectangular region where each of said plurality of segments is indicated within said generally rectangular region.

5           31. The method of claim 29 wherein the size of each of said plurality of segments is indicated in a manner such that said plurality of segments with a greater number of frames are larger than said plurality of segments with a lesser number of frames.

10           32. The method of claim 31 wherein the size of the regions between each of said plurality of segments is indicated in a manner such that said regions between with a greater number of frames are larger than said plurality of segments with a lesser number of frames.

15           33. The method of claim 29 further comprising an indicator that indicates the current position within said temporal information of a currently displayed portion of said video.

20           34. The method of claim 33 wherein said indicator changes location relative to said temporal information as the portion of said currently displayed portion of said video changes.

25           35. The method of claim 29 further comprising said displaying said temporal information for a first type of content of said video using a first visual indication and displaying said temporal information for second type of content of said video using a second visual indication different from said first visual indication.

30           36. The method of claim 29 further comprising

                 (a) indicating with an indicator the current position within said temporal information of a currently displayed portion of said video; and

                 (b) modifying the position of said indicator within said temporal information which modifies the displayed portion of said video.

5           37. The method of claim 36 wherein said indicator is modified to a portion of  
                  said video that is not included within said plurality of segments.

10           38. The method of claim 35 wherein said first type of content and said second  
                  type of content are selectable by a user for presentation to said user.

15           39. The method of claim 29 wherein at least two of said plurality of segments  
                  are temporally overlapping.

20           40. The method of claim 39 wherein said temporally overlapping segments are  
                  visually indicated in a manner such that each of said overlapping segments  
                  are independently identifiable.

25           41. The method of claim 29 wherein a user selects a portion of said video not  
                  included within said plurality of segments, wherein in response thereto, said  
                  system presents one of said plurality of segments.

30           42. The method of claim 41 wherein said one of said plurality of segments is  
                  the segment most temporally adjacent to said portion of said video.

43. The method of claim 41 wherein said one of said plurality of segments is  
                  the next temporally related segment.

44. The method of claim 41 wherein said one of said plurality of segments is  
                  the previous temporally related segment.

45. The method of claim 29 wherein a user selects a portion of said video  
                  included within said plurality of segments, wherein in response thereto, said  
                  system presents said portion of said video from the start thereof.

5           46. The method of claim 29 wherein a user selects a portion of said video not included within said plurality of segments, wherein in response thereto, said system presents one of said plurality of segments, and wherein said user selects a portion of said video included within said plurality of segments, wherein in response thereto, said system presents said portion of said video within said plurality of segments.

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15           47. The method of claim 29 wherein a user selects a portion of said video not included within said plurality of segments, wherein in response thereto, said system presents one of said plurality of segments, and wherein said user selects a portion of said video included within said plurality of segments, wherein in response thereto, said system presents said portion of said video within said plurality of segments starting from the beginning thereof.

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25           48. The method of claim 29 wherein a user selects a portion of said video not included within said plurality of segments, wherein in response thereto, said system presents said selected portion not included within said plurality of segments, and wherein after presenting said selected portion not included within said plurality of segments presents said selected plurality of segments in temporal order without portions of said video not included within said plurality of segments, and wherein said user selects a portion of said video included within said plurality of segments, wherein in response thereto, said system presents said portion of said video within said plurality of segments.

30           49. The method of claim 29 wherein said temporal information is hierarchical and is displayed in such a manner to retain a portion of its hierarchical structure.

5 50. The method of claim 29 wherein said temporal information relates to  
overlapping time periods and said temporal information is displayed in such  
a manner to maintain the differentiation of said overlapping time periods.

10 51. The method of claim 29 wherein said temporal information is displayed  
within a time line, wherein the temporal information is presented in a  
plurality of layers in a direction perpendicular to the length of said time line.

15 52. The method of claim 29 wherein said temporal information is displayed  
within a time line, wherein textual information is included within said time  
line.

20 53. The method of claim 29 wherein said temporal information is displayed  
within a time line, wherein additional textual information is displayed upon  
selecting a portion of said time line.

25 54. The method of claim 29 wherein said temporal information is displayed  
together with a time line, wherein additional textual information is  
displayed together with selecting a portion of said time line.

55. The method of claim 29 wherein said temporal information is displayed  
within a time line, wherein additional audio annotation is presented upon  
presenting a portion of said time line.

30 56. A method of presenting information regarding audio comprising:  
(a) identifying a plurality of different segments of said audio, where  
each of said segments includes a temporal duration of said audio;  
and

5 (b) displaying a graphical user interface including temporal information regarding the relative location of said plurality of segments within said audio.

10 57. The method of claim 56 further comprising said displaying said temporal information for a first type of content of said audio using a first visual indication and displaying said temporal information for second type of content of said audio using a second visual indication different from said first visual indication.

15 58. The method of claim 56 further comprising

- (a) indicating with an indicator the current position within said temporal information of a currently displayed portion of said audio; and
- (b) modifying the position of said indicator within said temporal information which modifies the displayed portion of said audio.

20 59. The method of claim 58 wherein said indicator is modified to a portion of said audio that is not included within said plurality of segments.

25 60. The method of claim 56 wherein at least two of said plurality of segments are temporally overlapping.

61. The method of claim 60 wherein said temporally overlapping segments are visually indicated in a manner such that each of said overlapping segments are independently identifiable.

30 62. The method of claim 56 wherein a user selects a portion of said audio not included within said plurality of segments, wherein in response thereto, said system presents one of said plurality of segments.

5           63. The method of claim 62 wherein said one of said plurality of segments is  
                  the segment most temporally adjacent to said portion of said audio.

10           64. The method of claim 62 wherein said one of said plurality of segments is  
                  the next temporally related segment.

15           65. The method of claim 62 wherein said one of said plurality of segments is  
                  the previous temporally related segment.

20           66. The method of claim 56 wherein a user selects a portion of said audio  
                  included within said plurality of segments, wherein in response thereto, said  
                  system presents said portion of said audio from the start thereof.

25           67. The method of claim 56 wherein a user selects a portion of said audio not  
                  included within said plurality of segments, wherein in response thereto, said  
                  system presents one of said plurality of segments, and wherein said user  
                  selects a portion of said audio included within said plurality of segments,  
                  wherein in response thereto, said system presents said portion of said audio  
                  within said plurality of segments.

30           68. The method of claim 56 wherein a user selects a portion of said audio not  
                  included within said plurality of segments, wherein in response thereto, said  
                  system presents one of said plurality of segments, and wherein said user  
                  selects a portion of said audio included within said plurality of segments,  
                  wherein in response thereto, said system presents said portion of said audio  
                  within said plurality of segments starting from the beginning thereof.

69. The method of claim 56 wherein a user selects a portion of said audio not  
                  included within said plurality of segments, wherein in response thereto, said

5 system presents said selected portion not included within said plurality of segments, and wherein after presenting said selected portion not included within said plurality of segments presents said selected plurality of segments in temporal order without portions of said audio not included within said plurality of segments, and wherein said user selects a portion of said audio included within said plurality of segments, wherein in response thereto, said system presents said portion of said audio within said plurality of segments.

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70. The method of claim 56 wherein said temporal information is hierarchical and is displayed in such a manner to retain a portion of its hierarchical structure.
71. The method of claim 56 wherein said temporal information relates to overlapping time periods and said temporal information is displayed in such a manner to maintain the differentiation of said overlapping time periods.
72. The method of claim 56 wherein said temporal information is displayed within a time line, wherein the temporal information is presented in a plurality of layers in a direction perpendicular to the length of said time line.
73. The method of claim 56 wherein said temporal information is displayed within a time line, wherein textual information is included within said time line.
74. The method of claim 56 wherein said temporal information is displayed within a time line, wherein additional textual information is displayed upon selecting a portion of said time line.

5            75. The method of claim 56 wherein said temporal information is displayed together with a time line, wherein additional textual information is displayed together with selecting a portion of said time line.

10            76. The method of claim 56 wherein said temporal information is displayed within a time line, wherein additional audio annotation is presented upon presenting a portion of said time line.

15            77. The method of claim 29 wherein a user selectable skip function skips a set of frames to a modified location of said video in at least one of a forward temporal direction or a reverse temporal direction, and displays said video at said modified location.

20            78. The method of claim 29 wherein a user selectable skip function skips to a later temporal segment or a previous temporal segment, and displays said video at said later temporal segment or said previous temporal segment, respectively.

25            79. The method of claim 29 wherein a user selectable scan function skips a set of frames to a modified location of said video in at least one of a forward temporal direction or a reverse temporal direction, and displays said video at said modified location, and thereafter automatically skips another set of frames to another modified location of said video in at least one of said forward temporal direction or said reverse temporal direction, and displays said video at said another modified location.

30            80. The method of claim 79 wherein at least one of said forward temporal direction and said reverse temporal direction are consistent with said different segments.

5 81. The method of claim 80 wherein said display of said video is at the start of  
the respective one of said different segments.

81. The method of claim 80 wherein said display of said video is at a  
predetermined offset within the respective one of said different segments.

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82. The method of claim 29 wherein said graphical user interface displays a  
respective image associated with at least a plurality of said different  
segments.

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83. The method of claim 82 wherein said respective image associated with the  
currently presented said different segments is visually highlighted

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84. The method of claim 83 wherein during presentation of said video said  
visually highlighted respective images are said highlighted in a substantially  
regular interval while the sequence of said presentation of said video is at  
substantially irregular intervals.

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85. The method of claim 56 wherein the presentation of said different segments  
may be modified by a plurality of different functions, and wherein the user  
may customize another function, not previously explicitly provided, by  
combining a plurality of said plurality of different functions into a single  
function.